Reconfiguring VMware vSphere Update Manager

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Reconfiguring VMware vSphere Update Manager

Reconfiguring VMware vSphere Update Manager provides information about configuring VMware® vSphere Update Manager and VMware® vSphere Update Manager Download Service (UMDS) by using the VMware® vSphere Update Manager Utility.

This information provides instructions about changing the database password and proxy authentication, re-registering Update Manager with vCenter Server, and replacing the SSL certificates for Update Manager.

Intended Audience

This information is intended for anyone who wants to reconfigure Update Manager by using the Update Manager Utility. The information is written for experienced Windows or Linux system administrators who are familiar with virtual machine technology, datacenter operations, and Update Manager.

Introduction to the Update Manager Utility

1

The Update Manager Utility is an optional tool for Update Manager that allows you to configure the Update Manager server and UMDS after installation.

The Update Manager Utility allows you to reconfigure the following Update Manager settings without the need to reinstall Update Manager and UMDS:

Proxy settings
When you install the Update Manager server or the UMDS, you specify the proxy settings. If these settings change after installation, you must reconfigure Update Manager or UMDS to use the newly configured proxy.

Database user name and password
If the database user name and password change after you install the Update Manager server or UMDS, you can reconfigure Update Manager and UMDS without the need to reinstall them.

vCenter Server IP address
When you install the Update Manager server, you register it with the vCenter Server system with which Update Manager will work. Every time the vCenter Server IP is requested, you must provide the IP of the vCenter Server system with which Update Manager is registered. If the IP of the vCenter Server system or Update Manager changes, you must be able to re-register the Update Manager server with the vCenter Server system.

SSL certificate
You can replace the default Update Manager SSL certificates with either self-signed certificates or certificates signed by a commercial Certificate Authority (CA). You can replace only the SSL certificates that Update Manager uses for communication between the Update Manager server and client components. You cannot replace the SSL certificates that Update Manager uses when you are importing offline bundles or upgrade release files.

Installing the Update Manager Utility

2

When you install Update Manager or UMDS, the Update Manager Utility is silently installed on your system.

You can install the Update Manager server and UMDS only on 64-bit operating system platforms.

This chapter includes the following topics:

Install the Update Manager Server and the Update Manager Utility

When you install the Update Manager server, the Update Manager Utility is installed on your system as an additional component.

The Update Manager installation requires a connection to a single vCenter Server instance. You can install Update Manager on the same computer on which vCenter Server is installed or on a different computer.

Prerequisites

- Verify that your system meets the installation requirements listed in *Installing and Administering VMware vSphere Update Manager*.
- Before installation, create and set up an Update Manager database and 64-bit DSN, unless you are using the bundled SQL Server 2012 Express. For more information about setting up the Update Manager database, see *Installing and Administering VMware vSphere Update Manager*.
- Make sure that you create the ODBC connection to a supported database server version by using a supported database client version.

  If you create an ODBC connection to a database server that is of an unsupported version, and your database client is of a supported version, a DSN for the unsupported database might be displayed in the drop-down menu of the Update Manager installation wizard.
- Ensure that the database privileges meet the requirements listed in *Installing and Administering VMware vSphere Update Manager*.

- Before installing Update Manager, install vCenter Server. If prompted, restart the machine on which vCenter Server is installed. Otherwise, you might not be able to register Update Manager with vCenter Server, and the Update Manager installation might fail. For more information about installing vCenter Server, see *vSphere Installation and Setup*.
- If you plan to use the bundled Microsoft SQL Server 2012 Express database, make sure that you install Microsoft Windows Installer version 4.5 (MSI 4.5) on your system. You can download MSI 4.5 from the Microsoft Web site.
- Update Manager installation requires installation of the Microsoft .NET framework 4.7. Consider the following before proceeding with the installation.
  - Installing Microsoft .NET framework 4.7 is not supported on Microsoft Windows Server 2008 Service Pack 2 64-bit.
  - Installing Microsoft .NET framework 4.7 might require you to install some additional Windows updates. Relevant links to the Windows updates are provided during the Microsoft .NET framework 4.7.
  - Installing Microsoft .NET framework 4.7 might require you to reboot your host operating system.
  - If you plan to install Update Manager server on the same Windows machine where vCenter Server runs (typical installation), the vCenter Server service might temporarily disconnect if the a reboot is invoked on the system by the .NET Microsoft .NET framework 4.7 installation.
  - After installing or upgrading the Microsoft .NET framework 4.7, follow the prompts of the Update Manager server or the UMDS installation wizards.

Procedure

1 Mount the ISO image of the vCenter Server installer to the Windows virtual machine or physical server on which you want to install the Update Manager server.

2 In the mounted directory, double-click the `autorun.exe` file of the VMware vCenter Installer, and select **vSphere Update Manager > Server**.

3 (Optional) Select the option to **Use Microsoft SQL Server 2012 Express as the embedded database**, and click **Install**.

Note Skip this step only if you plan to use another supported Oracle or SQL Server database.

If the Microsoft SQL Server 2012 Express is not present on your system from previous Update Manager installations, the installation wizard for the Microsoft SQL Server 2012 Express opens.

4 Select the option to install the Microsoft .NET framework 4.7.

Note If you do not select to install Microsoft .NET framework 4.7, the Update Manager server installation will fail with an error message.

5 On the **VMware vCenter Installer**, click **Install**.

The **VMware vCenter Installer** wizard remains open, and a language selection dialog box opens.

6 Select the language for the vSphere Update Manager installer, and click **OK**.

7 Depending on the database selection you made in the VMware vCenter Installer, perform one of the following steps:

- If you selected to use embedded Microsoft SQL Server 2012, wait for the installation process of the Microsoft .NET framework 4.7 and the Microsoft SQL Server 2012 to complete, and from the VMware vCenter Installer, click **Install** again.

  The VMware vSphere Update Manager installer opens.

- If you are using another supported database and did not select to use the embedded Microsoft SQL Server 2012, the VMware vSphere Update Manager installer opens, and you can proceed with next steps.

8 Review the Welcome page and click **Next**.

9 Read and accept the license agreement, and click **Next**.

10 Review the support information, select whether to download updates from the default download sources immediately after installation, and click **Next**.

If you deselect **Download updates from default sources immediately after installation**, Update Manager downloads updates once daily according to the default download schedule or immediately after you click the **Download Now** button on the Download Settings page. You can modify the default download schedule after the installation is complete.

11 Type the vCenter Server IP address or name, HTTP port, and the administrative account that the Update Manager server will use to connect to the vCenter Server system, and click **Next**.

You can not provide an IP address to a vCenter Server Appliance. Update Manager server is fully integrated with the vCenter Server Appliance, and the vCenter Server Appliance runs Update Manager as a service.

The default administrative user account is administrator@vsphere.local.

12 (Optional) Select the database, and click **Next**.

If you selected to use the embedded Microsoft SQL Server 2012 Express database, the installation wizard skips this page.

a Use an existing supported database, by selecting your database from the list of DSNs. If the DSN does not use Windows NT authentication, enter the user name and password for the DSN and click **Next**.

Important The DSN must be a 64-bit DSN.

13 (Optional) Select the database options.

- If the system DSN you specify points to an existing Update Manager database with the current schema, you can either retain your existing database or replace it with an empty one.
- If the system DSN you specify points to an existing Update Manager database with a different schema, on the Database Upgrade page, select **Yes, I want to upgrade my Update Manager database** and **I have taken a backup of the existing Update Manager database**, and click **Next**.

14 From the drop-down menu, select the IP address or the host name of your Update Manager instance.

If the computer on which you install Update Manager has one NIC, the Update Manager installer automatically detects the IP address. If the computer has multiple NICs, you must select the correct IP address or use a DNS name. The DNS name must be resolved from all hosts that this Update Manager instance will manage.

15 Specify the Update Manager port settings, select whether you want to configure the proxy settings, and click **Next**.

Note Use caution when you specify the Update Manager port settings, as you cannot modify them after installation.

For the SOAP port, you have no limitations to the range of ports used, unless there are conflicts.

For the Server port, you can use the following range: 80, 9000-9100. Update Manager automatically opens ESXi firewall ports in this range to allow outbound HTTP traffic to the patch store.

16 (Optional) Provide information about the proxy server, the port, and whether the proxy should be authenticated, and click **Next**.

17 Select the Update Manager installation and patch download directories and click **Next**.

If you do not want to use the default locations, click **Change** to browse to a different directory.

18 (Optional) In the warning message about the disk free space, click **OK**.

This message appears when you try to install Update Manager on a computer that has less than 120 GB free space.

19 Click **Install** to begin the installation.

20 Click **Finish**.

You completed the installation of the Update Manager server and the Update Manager Utility.

Install UMDS and the Update Manager Utility

When you install UMDS, the Update Manager Utility is silently installed on your system as an additional component.

Prerequisites

- Verify that the machine on which you install UMDS has Internet access, so that UMDS can download upgrades, patch metadata, and patch binaries.
- Uninstall any 6.5 or earlier instance of UMDS if it is installed on the machine. If such a version of UMDS is already installed, the installation wizard displays an error message and the installation cannot proceed.
- Before you install UMDS, create a database instance and configure it. If you install UMDS on a 64-bit machine, you must configure a 64-bit DSN and test it from ODBC. The database privileges and preparation steps are the same as the ones used for Update Manager.
- If you plan to use the bundled Microsoft SQL Server 2012 Express database, make sure that you install Microsoft Windows Installer version 4.5 (MSI 4.5) on your system.
- UMDS and Update Manager must be installed on different machines.
- To ensure optimal performance, install UMDS on a system with requirements same as the ones for the Update Manager server.
- Update Manager installation requires installation of the Microsoft .NET framework 4.7. Consider the following before proceeding with the installation.
  - Installing Microsoft .NET framework 4.7 is not supported on Microsoft Windows Server 2008 Service Pack 2 64-bit.
  - Installing Microsoft .NET framework 4.7 might require you to install some additional Windows updates. Relevant links to the Windows updates are provided during the Microsoft .NET framework 4.7.
  - Installing Microsoft .NET framework 4.7 might require you to reboot your host operating system.
  - If you plan to install Update Manager server on the same Windows machine where vCenter Server runs (typical installation), the vCenter Server service might temporarily disconnect if the a reboot is invoked on the system by the .NET Microsoft .NET framework 4.7 installation.
  - After installing or upgrading the Microsoft .NET framework 4.7, follow the prompts of the Update Manager server or the UMDS installation wizards.

Procedure

1. Mount the ISO image of the vCenter Server installer to the Windows virtual machine or physical server on which you want to install the vSphere Update Manager Download Service (UMDS).
2. In the mounted directory, double-click the `autorun.exe` file of the **VMware vCenter Installer**, and select **vSphere Update Manager > Download Service**.

3 (Optional) Select the option to **Use Microsoft SQL Server 2012 Express as the embedded database**, and click **Install**.

Note Skip this step only if you plan to use another supported Oracle or SQL Server database.

If the Microsoft SQL Server 2012 Express is not present on your system from previous Update Manager installations, the installation wizard for the Microsoft SQL Server 2012 Express opens.

4 Select the option to install the Microsoft .NET framework 4.7.

Note If you do not select to install Microsoft .NET framework 4.7, the Update Manager Download Service installation will fail with an error message.

5 On the **VMware vCenter Installer**, click **Install**.

The **VMware vCenter Installer** wizard remains open, and a language selection dialog box opens.

6 Select the language for the **vSphere Update Manager Download Service** installer, and click **OK**.

7 Depending on the database selection you made in the **VMware vCenter Installer**, perform one of the following steps:

- If you selected to use embedded Microsoft SQL Server 2012, wait for the installation process of the Microsoft .NET framework 4.7 and the Microsoft SQL Server 2012 to complete, and from the VMware vCenter Installer, click **Install** again.

  The VMware vSphere Update Manager Download Service installer opens.

- If you are using another supported database and did not select to use the embedded Microsoft SQL Server 2012, the VMware vSphere Update Manager Download Service installer opens, and you can proceed with next steps.

8 (Optional) If the wizard prompts you, install the required items such as Windows Installer 4.5.

This step is required only if Windows Installer 4.5 is not present on your machine and you must perform it the first time you install a vSphere 5.x product. After the system restarts, the installer starts again.

9 Review the Welcome page and click **Next**.

10 Read and accept the license agreement, and click **Next**.

11 (Optional) Select the database, and click **Next**.

If you selected to use the embedded Microsoft SQL Server 2012 Express database, the installation wizard skips this page.

a Use an existing supported database, by selecting your database from the list of DSNs. If the DSN does not use Windows NT authentication, enter the user name and password for the DSN and click **Next**.

Important The DSN must be a 64-bit DSN.

12 Enter the Update Manager Download Service proxy settings and click **Next**.

13 Select the Update Manager Download Service installation and patch download directories and click **Next**.

If you do not want to use the default locations, you can click **Change** to browse to a different directory. You can select the patch store to be an existing download directory from a previous UMDS 6.0 or UMDS 6.5 installation and reuse the applicable downloaded updates in UMDS 6.7. After you associate an existing download directory with UMDS 6.7, you cannot use it with earlier UMDS versions.

14 (Optional) In the warning message about the disk free space, click **OK**.

15 Click **Install** to begin the installation.

16 Click **OK** in the Warning message notifying you that .NET Framework 4.7 is not installed.

The UMDS installer installs the prerequisite before the actual product installation.

17 Click **Finish**.

UMDS and the Update Manager Utility are installed on your system.

Using the Update Manager Utility

3

By using the Update Manager Utility, you can change the database connection settings and proxy authentication, re-register Update Manager with vCenter Server, and replace the SSL certificate.

This chapter includes the following topics:

Start the Update Manager Utility and Log In

To use the Update Manager Utility, you must start the utility and log in.

Prerequisites

- Make sure that you have local administrative credentials for the machine on which the Update Manager server is installed.
- Stop the Update Manager service.

Procedure

1 Log in as an administrator to the machine on which the Update Manager server is installed.

2 Navigate to the Update Manager installation directory.

The default location is `C:\Program Files (x86)\VMware\Infrastructure\Update Manager`.

3 Double-click the `VMwareUpdateManagerUtility.exe` file.

4 Type the vCenter Server machine IP address or host name and the administrative credentials to the vCenter Server system.

5 Click **Login**.

You successfully logged in to the Update Manager Utility.

What to do next

Use the Update Manager Utility to reconfigure the Update Manager server.

Launch the Update Manager Utility with UMDS

To use the Update Manager Utility with UMDS, you must log in to the machine on which UMDS is installed.

Procedure

1 Log in as an administrator to the machine where the UMDS is installed.
2 Navigate to the UMDS installation directory.

   The default location is `C:\Program Files (x86)\VMware\Infrastructure\Update Manager`.
3 Double-click the `VMwareUpdateManagerUtility.exe` file.

You successfully logged in to the Update Manager Utility.

What to do next

Use the Update Manager Utility to reconfigure UMDS.

Reconfigure the Proxy Settings

If your system proxy settings change after you have installed the Update Manager server or UMDS, you must reconfigure the Update Manager server and UMDS to use the new proxy settings.

Prerequisites

Stop the Update Manager service.

Procedure

1 In the Options pane of the Update Manager Utility, click **Proxy Settings**.
2 In the Configurations pane, select the **Use Proxy** check box.
3 Type the proxy server settings and the credentials used for the proxy authentication.
4 Click **Apply**.
5 Restart the Update Manager service.

The Update Manager server and UMDS are reconfigured to use the new proxy settings.

Change the Update Manager Database Connection Settings

You can specify a different user name and password for the Update Manager or UMDS database connection.

Important If you are using an Oracle database for Update Manager or UMDS, you can change only the database password.

Prerequisites

- Verify that the ODBC connection to the database works fine before you change the database connection settings.
- Stop the Update Manager service.

Procedure

1. In the Options pane of the Update Manager Utility, click **Database Settings**.
2. In the Configurations pane, type the new user name and password for the DSN.
3. Type the password again in the **Confirm Password** text box.
4. Click **Apply**.
5. Restart the Update Manager service.

Re-register Update Manager with vCenter Server

You might need to re-register Update Manager with vCenter Server in certain situations, for example when the IP address of vCenter Server or Update Manager changes.

Prerequisites

Stop the Update Manager service.

Procedure

1. In the Options pane of the Update Manager Utility, click **Re-register to vCenter Server**.
2. In the Configurations pane, provide the connection and authentication details.
   a. In the **vCenter Server IP Address or Name** text box, type the new IP address or host name of the vCenter Server system.
   b. In the **User Name** and the **Password** text boxes, type the administrator user name and password for the vCenter Server system.
3. Click **Apply**.
4. Restart the Update Manager service.

The Update Manager server is re-registered to the reconfigured vCenter Server system.

Change the Update Manager SSL Certificate

You can change the SSL certificate that Update Manager uses to authenticate against vCenter Server.

Prerequisites

Stop the Update Manager service.

Procedure

1 In the Options pane of the Update Manager Utility, click **SSL Certificate**.
2 In the Configurations pane, follow the provided procedure.
3 Select the **Followed and verified the steps** check box.
4 Click **Apply**.
5 Restart the Update Manager service.

You changed the SSL certificate that Update Manager uses to authenticate against vCenter Server.

Restart the Update Manager Service

In certain cases, such as when you change the network connectivity settings, you must restart the Update Manager service.

Procedure

1 Log in as the administrator to the machine on which the Update Manager server component is installed.
2 Right-click **My Computer** and click **Manage**.
3 In the left pane of the **Computer Management** window, expand **Services and Applications** and click **Services**.
4 In the right pane, right-click **VMware vSphere Update Manager Service** and select **Restart**.

The service restarts on the local computer.